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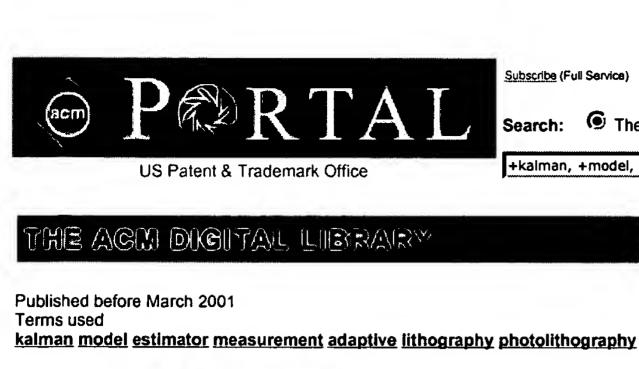
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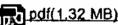
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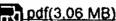
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Subspace methods for blind joint channel estimation and multiuser detection in CDMA systems Xiaodong Wang, H. Vincent Poor

January 2000 Wireless Networks, Volume 6 Issue 1

Full text available: ndf(249.64 KB)

Additional Information: full citation, abstract, references, index terms

Recently developed subspace techniques for blind adaptive multiuser detection are briefly reviewed first. In particular, blind methods based on signal subspace tracking for adapting linear multiuser detectors in AWGN CDMA channels are considered, as well as extensions of these techniques to frequency selective fading channels, dispersive channels, and antenna array spatial processing. In addition, subspace‐ based nonlinear adaptive techniques for robust blind multiuser detection in non& ...

Parameter identification methods for metamodeling simulations

Don Caughlin

November 1996 Proceedings of the 28th conference on Winter simulation

Full text available: pdf(714.50 KB)

Additional Information: full citation, references

Improving static and dynamic registration in an optical see-through HMD

Ronald Azuma, Gary Bishop

MB)

July 1994

Proceedings of the 21st annual conference on Computer graphics and interactive techniques

Full text available: pdf(321,33 KB) ps(1.65

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In Augmented Reality, see-through HMDs superimpose virtual 3D objects on the real world. This technology has the potential to enhance a user's perception and interaction with the real world. However, many Augmented Reality applications will not be accepted until we can accurately register virtual objects with their real counterparts. In previous systems, such registration was achieved only from a limited range of viewpoints, when the user kept his head still. This paper offers improved regi ...

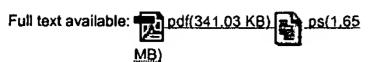
Keywords: augmented reality, calibration, registration

3D position, attitude and shape input using video tracking of hands and lips

Andrew Blake, Michael Isard

July 1994

Proceedings of the 21st annual conference on Computer graphics and interactive techniques



Additional Information: full citation, abstract, references, citings, index terms

Recent developments in video-tracking allow the outlines of moving, natural objects in a video-camera input stream to be tracked live, at full video-rate. Previous systems have been available to do this for specially illuminated objects or for naturally illuminated but polyhedral objects. Other systems have been able to track nonpolyhedral objects in motion, in some cases from live video, but following only centroids or key-points rather than tracking whole curves. The system described here ...

12 Stochastic version of second-order (Newton-Raphson) optimization using only function measurements James C. Spall



December 1995 Proceedings of the 27th conference on Winter simulation

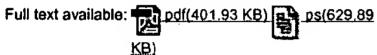
Full text available: pdf(579.39 KB)

Additional Information: full citation, references, index terms

¹³ A frequency-domain analysis of head-motion prediction

Ronald Azuma, Gary Bishop

September 1995 Proceedings of the 22nd annual conference on Computer graphics and interactive techniques



Additional Information: full citation, references, citings, index terms

Keywords: HMD, augmented reality, delay compensation, spectral analysis

¹⁴ Ada Compiler Evaluation Capability (ACEC) data analysis: an overview

Air Force Systems Command

January 1990 ACM SIGAda Ada Letters, Proceedings of the working group on Ada performance issues

1990, Volume X Issue 3

Full text available: pdf(1.08 MB)

Additional Information: full citation, references, index terms

¹⁵ Papers: ESW4: enhanced scheme for WWW computing in wireless communication environments Stathes Hadjiefthymiades, Lazaros Merakos

October 1999 ACM SIGCOMM Computer Communication Review, Volume 29 Issue 5

Full text available: pdf(1.18 MB)

Additional Information: full citation, abstract, references, citings

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in the wireless communications domain. In this paper, we present a proxy-based architecture, called ESW4, which manages to accelerate Web browsing in wireless CPNs. Proxy caches, maintained in base stations, are constantly relocated to accompany the roaming user. We discuss a cache management scheme involving the relocation of full caches to the most candidate cells but also ...

¹⁶ On hop-by-hop rate-based congestion control

Partho Pratim Mishra, Hemant Kanakia, Satish K. Tripathi

April 1996 IEEE/ACM Transactions on Networking (TON), Volume 4 Issue 2

Full text available: pdf(1.51 MB)

Additional Information: full citation, references, index terms

17 Real-time APL prototype of a GPS system

Henry M. Beisner, Jack G. Rudd, Robert H. Benner

June 1996

ACM SIGAPL APL Quote Quad, Proceedings of the conference on Designing the future,

Volume 26 Issue 4

Full text available: pdf(822,15 KB)

Additional Information: full citation, abstract, references, citings, index terms

The Global Positioning System (GPS) consists of a constellation of 24 high-altitude satellites with very accurate atomic clocks, along with a global network of satellite tracking stations and sophisticated ground processing stations, that together provide precise navigation coordinates to any user who possesses a small, readily available GPS receiver. The precision that is achieved depends on[1] the number of GPS satellites in view of the user and the geometries involved; [2] the design of the use ...

18 The ControlShell component-based real-time programming system, and its application to the Marsokhod Martian Rover

Stan Schneider, Vincent Chen, Jay Steele, Gerardo Pardo-Castellote

November 1995 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 1995 workshop on Languages, compilers, & tools for real-time systems, Volume 30 Issue 11

Full text available: pdf(1.39 MB)

Additional Information: full citation, abstract, references, index terms

Real-time system software is notoriously hard to share and reuse. This paper walks through the methodology and application of ControlShell, a component-based programming system for real-time system software development. ControlShell combines graphical system-building tools, an execution-time configuration manager, a real-time matrix package, and an object name service into an integrated development environment. It targets complex systems that require on-line reconfiguration and strategic control ...

The CMUnited-97 robotic soccer team: perception and multiagent control Manuela Veloso, Peter Stone, Kwun Han

Proceedings of the second international conference on Autonomous agents

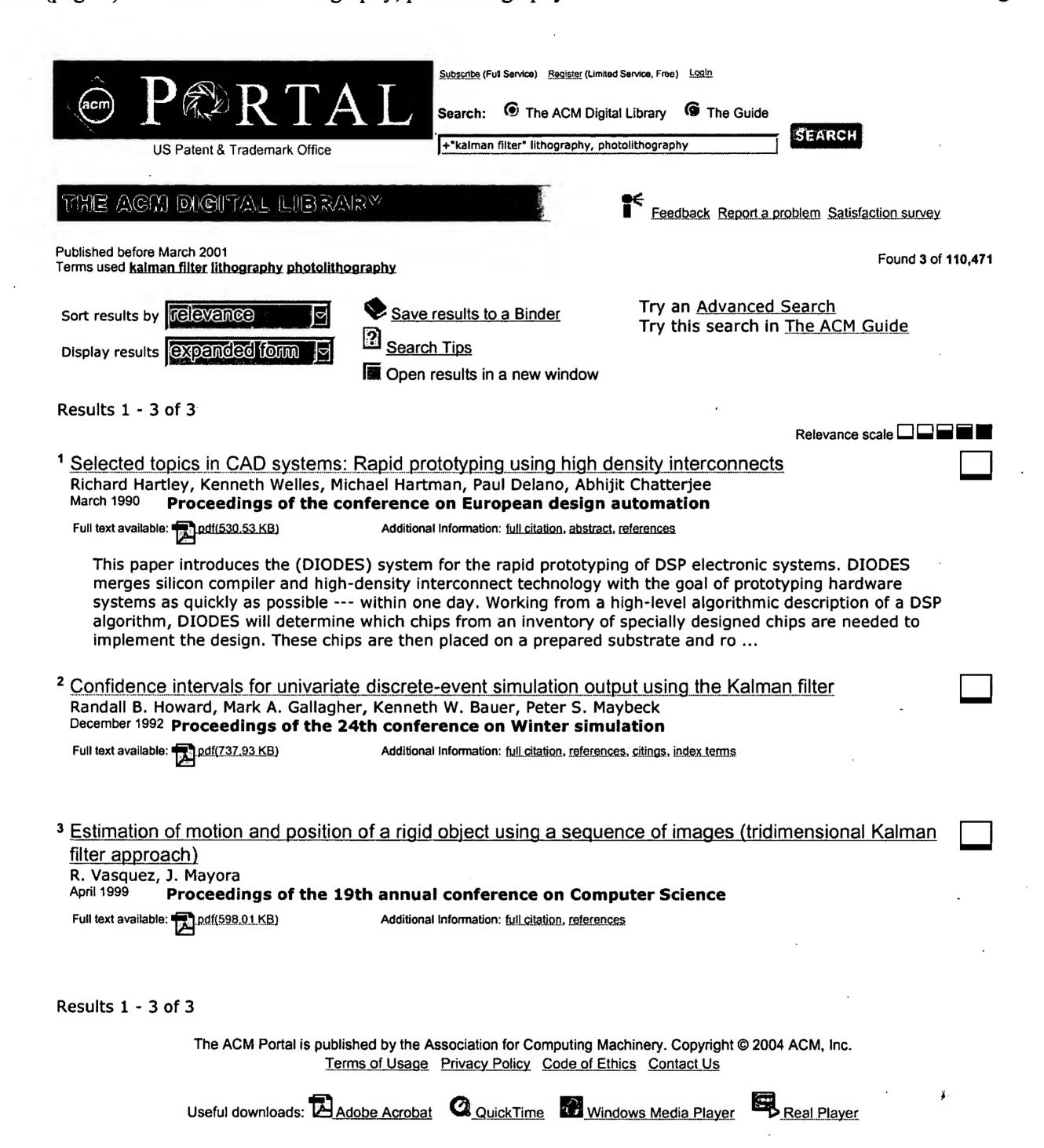
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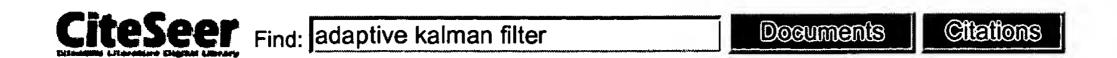
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Stochastic Recurrent Networks: Prediction and Classification of.. - Kehagias (1991) (Correct) (3 citations) Algorithm For The Calculation Of The Adaptive Kalman Filter Coefficients. Ieee Ac, 14(2)215-218, ftp.cis.ohio-state.edu/pub/neuroprose/kehagias.srn2.ps.Z

One or more of the query terms is very common - only partial results have been returned. Try Google (CiteSeer).

Occlusion Robust Adaptive Template Tracking - Hieu Nguyen Marcel (2001) (Correct) (2 citations) Tracking template intensity using a robust adaptive Kalman filter 2.1. Template matching based tracking carol.wins.uva.nl/~tat/pub/363_nguyen_h2.ps.gz

Smoothing Of Noisy Ar Signals Using An Adaptive - Kalman Filter Gerhard (Correct)

1 Smoothing Of Noisy Ar Signals Using An Adaptive Kalman Filter Gerhard Doblinger Institut Fur www.nt.tuwien.ac.at/nthft/dipl_diss_veroeff/papers/db_eusip98pap.ps

An Adaptive Procedure - For Carrier Phase-Based (2001) (Correct) related to the physical environment. An **adaptive Kalman filter** has been proposed for real-time www.gmat.unsw.edu.au/snap/staff/../publications/dai_etal2001i.pdf

An Adaptive Kalman Filter For The Enhancement Of Noisy AR Signals - Doblinger (1998) (Correct) 31-June 3, 1998, Monterey, California 1 An Adaptive Kalman Filter For The Enhancement Of Noisy Ar Signals www.nt.tuwien.ac.at/nthft/dipl_diss_veroeff/papers/db_iscas98.ps

Template Tracking Using Color Invariant Pixel Features - Hieu Nguyen And (2002) (Correct) features are smoothed by robust and adaptive Kalman filters, one to each pixel, making the method carol.wins.uva.nl/~tat/pub/nguyen1525.pdf

Kalman Filter Enhancement for UAV Navigation - Roger Johnson Jerzy (2002) (Correct) fuzzy rules to choose parameters of an **adaptive Kalman filter**. The other uses inherent parallelism to www-ece.engr.ucf.edu/~jza/publications/scsc2002-1.pdf

<u>An Adaptive Model of Rotating Machinery Subject to.. - Zhan, Makis, Jardine</u> (Correct) of rotating machinery by means of noise-adaptive Kalman filtering algorithm and spectral analysis in fie.engrng.pitt.edu/iie2002/proceedings/ierc/papers/2066.pdf

Robust Adaptive Kalman Filters for Linear.. - Stochastic.. (Correct)
Robust Adaptive Kalman Filters for Linear Time-Varying Systems with ece.www.ecn.purdue.edu/~ragu/onr/rob-est/refs/kalman1.ps

An Adaptive Stochastic State Observer In The Presence Of .. - Ludmila Mihaylova Nikola (1999) (Correct), P I 0 D I e ,0 3.2 Augmented Adaptive Kalman Filter The parameter estimates, computed by the www.mech.kuleuven.ac.be/~lmihaylo/avt99.pdf

Adaptive Autoregressive Models Of Time Series - Mihaylova (Correct)

4. Estimation With An Augmented Adaptive Kalman Filter The Parameter Estimates, Computed By The www.mech.kuleuven.ac.be/~Imihaylo/avt20.pdf

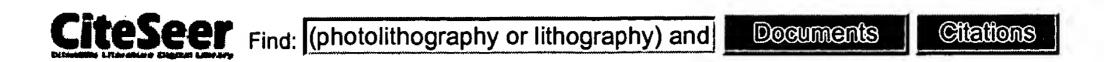
<u>Linear Algorithm to Identify Non-Linear Response of.. - Tadanobu Sato Professor</u> (Correct) rongo.ce.jhu.edu/emd99/sessions/sessions/papers/sato1.pdf

<u>UAV Navigation Based On Parallel Extended Kalman Filter - Sasiadek, Wang, Johnson, ...</u> (<u>Correct</u>) in favor of discrete equations with Fuzzy **Adaptive Kalman Filter** led to some interesting results did not www-ece.engr.ucf.edu/~jza/publications/kalman.pdf

<u>Spatiotemporal Adaptive 3-D Kalman Filter for Video - Kim, Woods</u> (<u>Correct</u>) environments. Keywords-spatiotemporal **adaptive Kalman filter**, motion compensation, reduced update ipl.rpi.edu/publications/./KimIP97.ps.gz

Geometric Modeling of Vehicle Paths and Confidence Regions - Ball, Wegman (Correct) filter. The extended Kalman filter and the adaptive Kalman filter have also been used as a means of www.galaxy.gmu.edu/stats/../papers/ball.ps

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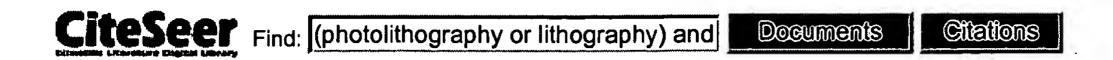
Rational Nanoelectronic Device Design - A definition of another .. - Michalewicz (Correct) atomic layer. Patterning is performed using nano-lithography techniques such as electron and ion-beam soon reach a cross-over point where the size of the modelled or simulated physical system, at the atomistic the fabricated device. It will then be possible to model operational characteristics of a nano-device with www.mel.dit.csiro.au/~marek/papers/rational.ps

Cellular Automata and Artificial Life - Computation and Life in.. - Morita (1998) (Correct) since present techniques such as photolithography will become useless. Below, we investigate under the reversibility constraint, and show our models of one- and two-dimensional universal RCAs. Next, universal RCAs. Next, we explain a self-reproducing model on a two-dimensional RCA and its mechanism. Our kepi.ke.sys.hiroshima-u.ac.jp/~morita/1998/Mor98Ra.ps

Electron Reflection and Interference in the.. - North, Simmons.. (1997) (Correct) this required small (5m5m) electron beam lithography (EBL) defined mesas. Extrinsic voltage drops of the second AIAs RTD barrier. An Airy function model of device transmission and current is presented. Brown et al. used a small signal RTD equivalent model to examine the role of intrinsic device publish.aps.org/eprint/gateway/epget/aps1997jul10_002/derived/main.ps

Journal Of Microelectromechanical Systems, Vol. 4, No. 4, December .. - Mb Er (1995) (Correct) that combines electroplating with conventional lithography, materials, and equipment. A microactuator the rigid body. Therefore, the resulting mechanical model becomes that of a simple cantilever beam which is long and narrow magnets in a magnetic field can be modeled using the concept of "effective magnetic www-bsac.eecs.berkeley.edu/archive/journal/jmems/1995_v4_n4/jjudy.ps

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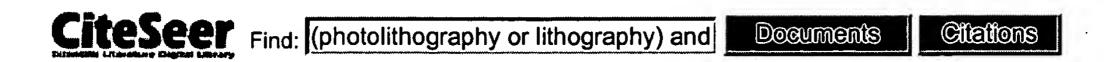
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The Set-Valued Run-to-Run Controller in Semiconductor.. - Zhang (1999) (Correct) could be applied the RtR control method are **photolithography**, chemical mechanical planarization #CMP# quality control #OAQC# 5# method and the **Kalman Filter** approach #18#They are limited to www.isr.umd.edu/TechReports/ISR/1999/TR_99-64/TR_99-64.pdf

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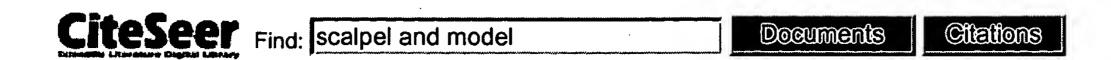
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Projection Electron Beam for Sub -Optical Lithography"presented at EIPBN '97, 27th -30th May, SPIE 3048 (1997) 42]L. R. Harriott, SCALPEL Projection Electron Beam for Sub -Optical W. M. Simpson, R. Tarascon, and G. P. Watson, SCALPEL masks "BACUS/SPIE (1994) 44]W. K. 143.129.203.3/visielab/exstaff/jedrasik/../../theses/jedrasik/chap1bib.pdf

Appl. Phys. A 73, 273--279 (2001) / Digital Object.. - Applied Phys Materials (Correct) manufacturing, e.g. LiGA technology (deep X-ray lithography, electroforming and molding) 1-3] and sample 2525 mm 2 has been freshly cleaved with a scalpel in order to obtain an adsorbate-free surface off from the masters by lifting them with a scalpel or a pair of tweezers (Fig. 2d)In the case of pmm08.physik.hu-berlin.de/publikat/diebel1.pdf

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An Interactive Model of the Human Thigh for Simulating.. - Cagatay Basdogan (1996) (Correct) (2 citations) Our current system includes **models** of a **scalpel**, scissors, wound probe, retractor, forceps, and Annual Meeting of ASME, Nov. 1996 An Interactive **Model** of the Human Thigh for Simulating Surgical NH Abstract We have developed an interactive 3D **model** of the human thigh along with a set of surgical touchlab.mit.edu/people/cagatay/asme96 paperV3.ps

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